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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: DAVID LUKTON Examiner # : 71263 Date: 8/6/03
Art Unit: 1653 Phone Number 308-3213 Serial Number: 09-703233
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL
MailBox: 9B01; Exr Rm 9B05
If mor than one search is submitted, please prioritize searches in order of need.
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Title of Invention: N-ALKYLATED PEPTIDES HAVING ANTIANGIOGENIC ACTIVITY

Applicants: HAVIV, FORTUNA; HENKIN, JACK; KALVIN, DOUGLAS M.; BRADLEY, MICHAEL F.

Earliest Priority Date: 11/22/99

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Applicants are claiming peptides which conform with the formula on the attached sheet.

X is hydrogen or alkyl, provided that at least one "X" is alkyl.

R1 = acetyl, $HOOC\text{-}CH_2\text{-}CH_2\text{-}CO\text{-}$, $C_6H_5\text{-}CO\text{-}$
[R1 cannot be hydrogen]

R2 = methyl, hydrogen $-(CH_2)_n\text{-}COOH$, $-(CH_2)_n\text{-}CONH_2$, $-CH_2\text{-}OH$,

R3 = alkyl, hydrogen, $-CH_2\text{-}C_6H_5$, $-(CH_2)_n\text{-}COOH$, $-(CH_2)_n\text{-}CONH_2$,

R4 = alkyl, hydrogen, $-CH_2\text{-}C_6H_5$, aminobutyl, $-(CH_2)_n\text{-}COOH$, $-(CH_2)_n\text{-}CONH_2$, imidazolylmethyl, indolylmethyl, $-CH_2\text{-}CH_2\text{-}SCH_3$

R5 = anything, provided that the carbon bearing R5 is of the D-configuration

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STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#)_____	STN _____
Searcher Phone #: _____	AA Sequence (#)_____	Dialog _____
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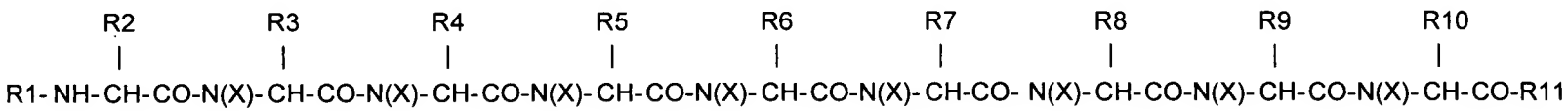
PTO-1590 (8-01)


R2 R3 R4 R5 R6 R7 R8 R9 R10
R1-NH-CH-CO-N(X)-CH-CO-N(X)-CH-CO-N(X)-CH-CO-N(X)-CH-CO-N(X)-CH-CO- N(X)-CH-CO-N(X)-CH-CO-N(X)-CH-CO-R11

R6 = alkyl, hydrogen, $-CH_2-OH$, $-(CH_2)_n-COOH$, $-(CH_2)_n-CONH_2$, imidazolylmethyl, indolylmethyl, $-CH_2-CH_2-SCH_3$, $-CH_2-CH=CH_2$

R7 = alkyl, hydrogen, $-CH_2-C_6H_5$, $-(CH_2)_n-CONH_2$, $-CH_2-OH$, $-(CH_2)_3-NHC(=NH)NH_2$, indolylmethyl;

R8 = alkyl, hydrogen, $-CH_2-CH_2-SCH_3$, $-CH_2-CH=CH_2$;

R9 = $-(CH_2)_3-NHC(=NH)NH_2$, $-(CH_2)_3-NH-CONH_2$, $-(CH_2)_4-NH_2$

R10 = alkyl, or $-CH_2-C_6H_5$

R11 = anything, but can contain no more than one amino acid.

n = 1 or 2